

SDS Report

No. SHAHG1716736801

Date: Aug. 9, 2017

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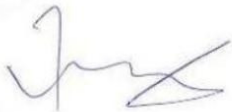
Ningbo ZHIYA Automotive System Co., Ltd.
Lugang Vil., Gaoqiao Town Ind. Dist. Haishu Dist., Ningbo.

SGS Ref. No. : NBHL1708012900SD; SHHL1708044420SD-SH
 Sample Name : Instant Windshield Washer Tablets
 Item No. : WWT-2
 End Uses : Clean the windshield
 Composition/Ingredient of sample (as per client submission) : See *Section 3 Composition/information on ingredients* on the SDS report
 Job Receiving Date : Aug 02, 2017
 Last Information Date : Aug 08, 2017
 SDS Preparation Period : Aug 02- Aug 08, 2017

Service Requested : Preparation of Safety Data Sheet (SDS) for the sample with submitted information.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with European Commission Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 and Regulation (EU) No 2015/830, and is provided per attached.

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.



Wei WANG, Terry
Approved Signatory



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Safety data sheet

Regulation (EC) No. 1907/2006 and 1272/2008

Printing date 09.08.2017

Revision: 07.08.2017

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** Instant Windshield Washer Tablets
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture:** Clean the windshield
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Ningbo ZHIYA Automotive System Co., Ltd.
Lugang Vil., Gaoqiao Town Ind. Dist. Haishu Dist., Ningbo.
Tel: 0574-87076275
E-mail: monica@chinawiperblades.com
Fax: 0574-87076276
- **Only Representative / other EU contact point:** Not available
- **Further information obtainable from:** Ningbo ZHIYA Automotive System Co., Ltd.
- **1.4 Emergency telephone number:**
monica
Tel: 13777217705

- GERMANY
Poison Center Berlin - Institute of Toxicology
Tel: +49 030 192 40
- **1.5 Reference Number:** NBHL1708012900SD; SHHL1708044420SD-SH; SHAHG1716736801

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

- **Information concerning particular hazards for human and environment:**
The product has to be labelled due to the calculation procedure of Regulation (EC) No. 1272/2008.
- **Classification system:**
The classification is according to the latest edition of EU Regulation (EC) No. 1272/2008, and extended by company and literature data.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to CLP Regulation.
- **Hazard pictograms**



GHS07



GHS09

- **Signal word** Warning
- **Hazard-determining components of labelling:** Not applicable
- **Hazard statements**
H315 Causes skin irritation.

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*H319 Causes serious eye irritation.**H411 Toxic to aquatic life with long lasting effects.***· Precautionary statements***P101 If medical advice is needed, have product container or label at hand.**P102 Keep out of reach of children.**P103 Read label before use.**P273 Avoid release to the environment.**P280 Wear protective gloves / eye protection / face protection.**P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**P321 Specific treatment (see on this label).**P332+P313 If skin irritation occurs: Get medical advice/attention.**P501 Dispose of contents/container in accordance with local/regional/national/international regulations.***· 2.3 Other hazards****· Results of PBT and vPvB assessment****· PBT:** Not applicable**· vPvB:** Not applicable**SECTION 3: Composition/information on ingredients****· 3.2 Mixtures****· Description:***Mixture of substances listed below with nonhazardous additions.**For the wording of the listed hazard statements refer to section 16.***· Composition:**

CAS: 497-19-8 EINECS: 207-838-8 Index number: 011-005-00-2	sodium carbonate ⚠ Eye Irrit. 2, H319	35.0%
CAS: 77-92-9 EINECS: 201-069-1	citric acid ⚠ Eye Irrit. 2, H319	34.0%
CAS: 68439-57-6 EINECS: 270-407-8	Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; ⚠ Eye Irrit. 2, H319	26.0%
CAS: 3844-45-9 EINECS: 223-339-8	Dihydrogen (ethyl)[4-[4-[ethyl(3-sulphonatobenzyl)]amino]-2'-sulphonatobenzhydrylidene]cyclohexa-2,5-dien-1-ylidene](3-sulphonatobenzyl)ammonium, disodium salt	5.0%

SECTION 4: First aid measures**· 4.1 Description of first aid measures****· After inhalation:***Supply fresh air and to be sure call for a doctor.**In case of unconsciousness place patient stably in side position for transportation.***· After skin contact:***Immediately wash with water and soap and rinse thoroughly.**If skin irritation continues, consult a doctor.***· After eye contact:***Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.***· After swallowing:***Rinse out mouth with water.**Never give anything by mouth to an unconscious person.**Seek medical treatment.***· 4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

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- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
CO₂ powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture** *No further relevant information available.*
- **5.3 Advice for firefighters**
- **Protective equipment:**
*Wear fully protective suit.
 Mouth respiratory protective device.*

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
*Wear protective equipment. Keep unprotected persons away.
 Ensure adequate ventilation.
 Avoid formation of dust.
 Use respiratory protective device against the effects of fumes/dust/aerosol.
 Avoid contact with eyes.
 Avoid contact with skin.*
- **6.2 Environmental precautions:**
*Inform respective authorities in case of seepage into water course or sewage system.
 Do not allow to enter sewers/ surface or ground water.*
- **6.3 Methods and material for containment and cleaning up:**
*Pick up mechanically.
 Dispose contaminated material as waste according to item 13.*
- **6.4 Reference to other sections**
*See Section 7 for information on safe handling.
 See Section 8 for information on personal protection equipment.
 See Section 13 for disposal information.*

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
*Ensure good ventilation/exhaustion at the workplace.
 Keep receptacles tightly sealed.
 Keep away from heat and direct sunlight.
 Prevent formation of dust.
 Avoid contact with skin and eyes.
 For the general occupational hygienic measures refer to section 8.*
- **Information about fire - and explosion protection:** *Normal measures for preventive fire protection.*
- **7.2 Conditions for safe storage, including any incompatibilities:**
- **Requirements to be met by storerooms and receptacles:**
*Store in a cool location.
 Store only in the original receptacle.*
- **Information about storage in one common storage facility:**
*Store away from foodstuffs.
 Protect from moisture.*

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- **Further information about storage conditions:**
 Keep container tightly sealed.
 Store in cool, dry conditions in well sealed receptacles.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· **Ingredients with limit values that require monitoring at the workplace:**

77-92-9 citric acid (34.0%)

MAK (Germany) vgl. Abschn. IIb und Xc

- **Regulatory information** MAK (Germany): MAK- und BAT-Liste
- **DNELs:** Data not available
- **PNECs:** Data not available

· **Additional information:** The lists valid during the making were used as basis.

· 8.2 Exposure controls

· **Based on composition shown in Section 3, the following measures are suggested for occupational safety measure:**

· **Appropriate engineering controls:**

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes and skin.
- See Section 7 for information about design of technical facilities.

· **Personal protective equipment:**

- **Respiratory protection:** Suitable respiratory protective device recommended.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

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- **Environmental exposure controls:**
Control measures must be made in accordance with Community environmental protection legislation.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· Appearance:

· Form:	Solid
· Colour:	Light blue
· Odour:	Weak odor
· Odour threshold:	Data not available

· **pH-value:** Data not available

· Change in condition

· Melting point/freezing point:	Data not available.
· Initial boiling point and boiling range:	Data not available

· **Flash point:** Data not available

· **Flammability (solid, gas):** Data not available.

· **Auto-Ignition temperature:** Data not available

· **Decomposition temperature:** Data not available

· **Self-igniting:** Product is not selfigniting.

· **Explosive properties:** Product does not present an explosion hazard.

· Explosion limits:

· Lower:	Data not available.
· Upper:	Data not available.

· **Oxidising properties** Data not available

· **Vapour pressure:** Data not available

· **Density:** Data not available.

· **Relative density** Data not available.

· **Vapour density** Data not available

· **Evaporation rate** Data not available

· **Solubility in / Miscibility with water:** Data not available

· **Partition coefficient: n-octanol/water:** Data not available

· Viscosity:

· Dynamic:	Data not available
· Kinematic:	Data not available

· **9.2 Other information** No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No decomposition if used according to specification.
- **10.2 Chemical stability** Stable under recommended storage conditions.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.

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- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values relevant for classification:**

68439-57-6 Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts

Oral	LD50	2,310 mg/kg (rat)
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497-19-8 sodium carbonate

Oral	LD50	4,090 mg/kg (rat)
------	------	-------------------

77-92-9 citric acid

Oral	LD50	5,040 mg/kg (mouse)
		3,000 mg/kg (rat)

- **Skin corrosion/irritation:**
Causes skin irritation.
- **Serious eye damage/irritation:**
Causes serious eye irritation.
- **Respiratory or skin sensitisation:** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
- **Carcinogenicity:** Based on available data, the classification criteria are not met.
- **Reproductive toxicity:** Based on available data, the classification criteria are not met.
- **STOT-single exposure:** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure:** Based on available data, the classification criteria are not met.
- **Aspiration hazard:** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.
- **12.7 Additional ecological information:**
- **General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- **14.1 UN-Number**
- **ADR/RID/ADN, IMDG, IATA**

UN3077

- **14.2 UN proper shipping name**
- **ADR/RID/ADN**

3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts)

- **IMDG**

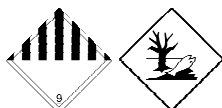
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts), MARINE POLLUTANT

- **IATA**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts)

- **14.3 Transport hazard class(es)**

- **ADR/RID/ADN, IMDG, IATA**



- **Class**
- **Label**

9 Miscellaneous dangerous substances and articles.

9

- **14.4 Packing group**

- **ADR/RID/ADN, IMDG, IATA**

III

- **14.5 Environmental hazards**

Product contains environmentally hazardous substances: Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts

- **Marine pollutant:**

Symbol (fish and tree)

- **Special marking (ADR/RID/ADN):**

Symbol (fish and tree)

- **Special marking (IATA):**

Symbol (fish and tree)

- **14.6 Special precautions for user**

Warning: Miscellaneous dangerous substances and articles.

- **Danger code (Kemler):**

90

- **EMS Number:**

F-A,S-F

- **Stowage Category**

A

- **Stowage Code**

SW23 When transported in BK3 bulk container, see 7.6.2.12 and 7.7.3.9.

- **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

- **14.8 Transport/Additional information:**

- **ADR/RID/ADN**

- **Limited quantities (LQ)**

5 kg

- **Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 g

Maximum net quantity per outer packaging: 1000 g

- **Transport category**

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· IMDG	
· Limited quantities (LQ)	5 kg
· Excepted quantities (EQ)	Code: E1
	Maximum net quantity per inner packaging: 30 g
	Maximum net quantity per outer packaging: 1000 g
· UN "Model Regulation":	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (SULFONIC ACIDS, C14-16-ALKANE HYDROXY ANDC14-16-ALKENE, SODIUM SALTS), 9, III

SECTION 15: Regulatory information

· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

· MAK (German Maximum Workplace Concentration)

None of the ingredients is listed.

· Directive 2012/18/EU

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Seveso category E2** Hazardous to the Aquatic Environment

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

· **National regulations:**

· **Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

· Other regulations, limitations and prohibitive regulations

· SVHC Candidate List of REACH Regulation Annex XIV Authorisation (7/7/2017)

None of the ingredients is listed.

· REACH Regulation Annex XVII Restriction (13/6/2017)

See Section 16 for information about restriction of use.

None of the ingredients is listed.

· REACH Regulation Annex XIV Authorization List (13/6/2017)

None of the ingredients is listed.

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

· Relevant hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

· Classification according to Regulation (EC) No 1272/2008

Skin corrosion/irritation

Serious eye damage/eye irritation

Hazardous to the aquatic environment - long-term (chronic) aquatic hazard

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

· *****

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

DISCLAIMER OF LIABILITY

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our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

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EU